

we are assured of the depth at which the underlying seams of coal are found. Five are seen at the out-crop which unite as they descend and form but four in the shaft. The large or six feet wide seam in the shaft at Egypt is 423 feet deep. Between the coal seams are found Carbonates of Iron, known by the name of the "Blackband."

I think every one must be satisfied from its regularity and the diminution of dip in the distance from the outcrop, some eight or ten degrees, that its seams tend to conform to the shape of the basin or trough.

It appears that the greatest depth of this coal basin is on the northern side, giving cause to believe that this valuable mineral does not extend below such depths as to render its mining both profitable and easy.

We may acquire some approximate estimate as to the quantity of coal this basin may contain, by taking the data which our results give of the extent of the basin, viz: Some 75 square miles, which, there is every probability, is underlaid by the veins of coal, from which the value of this mineral wealth locked up in this district may be readily calculated.

Although we have no actual proof to offer, yet there can be but little doubt that the extent of the coal seams will be found to underlie the whole of the basin. I was very desirous to place the extent beyond question, and had it been in my power, I should have ordered borings to be made, considering it of great importance in a national point of view, but as there was no appropriation made to meet the expense of this examination, it could not be undertaken. I feel it my duty, however, to recommend that a small appropriation be made for this purpose, which would establish beyond a doubt the actual extent of this coalfield.

There is no anthracite coal in this field. In some places it is Bituminous, viz: at Tysor's, Palmer's and Wilcox's, where it has undergone, with the slates and beds of iron ore, much disturbance, probably by an upheaval, and afterwards been denuded by the action of the River, which has removed the debris of the rocks and exposed to view the shales and slates as far as the plantations of Mr. Alston and Mr. Glegg.